

MADROÑO
A WEST AMERICAN JOURNAL OF BOTANY
VOLUME XXX
1983

BOARD OF EDITORS

Class of:

1983—ROBERT W. CRUDEN, University of Iowa, Iowa City
DUNCAN M. PORTER, Virginia Polytechnic Institute and State University,
Blacksburg

1984—MARY E. BARKWORTH, Utah State University, Logan
HARRY D. THIERS, San Francisco State University, San Francisco

1985—STERLING C. KEELEY, Whittier College, Whittier, CA
ARTHUR C. GIBSON, University of California, Los Angeles

1986—AMY JEAN GILMARTIN, Washington State University, Pullman
ROBERT A. SCHLISING, California State University, Chico

1987—J. RZEDOWSKI, Instituto Politecnico Nacional, Mexico
DOROTHY DOUGLAS, Boise State University, Boise, ID

Editor—CHRISTOPHER DAVIDSON
Idaho Botanical Garden, P.O. Box 2140, Boise, ID 83701

Published quarterly by the
California Botanical Society, Inc.
Life Sciences Building, University of California, Berkeley 94720

Printed by Allen Press, Inc., Lawrence, KS 66044



Reid Moran began botanizing the world when he was very young and had a back-yard *Dudleya* collection when no more than ten years old. He did his undergraduate work at Stanford and then went on to Cornell to work on *Dudleya* with Jens Clausen. This was in the early 40s, when some war or another broke out, and Reid joined two of his cohorts as enlistees in the airforce. They ended up in the 15th Airforce flying raids over Jugoslavia. In a stroke of luck, neither good nor bad, Reid got zapped in mission no. 1 and was found by some of Tito's partisans tangled in the top of a tree he was trying to identify. After a lengthy walk he made his way back to safety in Italy and finally flew back to the USA. It should be noted, though, that the return flight was mysteriously routed through a number of North African bases, at each of which Reid managed to nab a few specimens. When discovered back at Cornell, he was in the herbarium pressing some of his acquisitions—in full uniform. His well-known, unique sense of humor has affected many of his colleagues, and the noteworthy collection section of this journal has never fully recovered from his famous "I found it there then" contribution.

He finished his PhD at Berkeley with Lincoln Constance and after a brief time as a UC extension instructor, moved to the San Diego Museum of Natural History.

Reid is certainly one of the finest field botanists in the West (*sensu lato*), and his knowledge of the northwest Baja California flora and that of the islands is unparalleled. We take great pleasure in dedicating volume 30 to him.

TABLE OF CONTENTS

AHART, L. (see Taylor, M. S.)	
ARDEMA, D. S. (see Johnson, F. D.)	
BAKER, J. L. (see Davis, C. B.)	
BALDWIN, B. G., and S. N. MARTENS, Noteworthy collections of <i>Opuntia bivelovii</i> , <i>Mentzelia puberula</i> , <i>Nemacaulis denudata</i> var. <i>gracilis</i> , and <i>Penstemon pseudospectabilis</i>	258
BARBOUR, M. G. (see Yoder, V.)	
BARTEL, J. A. and J. R. SHEVOCK, <i>Dudleya calcicola</i> (Crassulaceae), a new species from the southern Sierra Nevada	210
BECVAR, J. E. (see Freeman, C. E.)	
BOYD, R. S., Jackrabbit herbivory and creosote bush (<i>Larrea</i>) reproduction (see also under Yoder, V.)	194
BRUNSFELD, S., S. CACCIO, and D. HENDERSON, Noteworthy collection of <i>Parnassia kotzebuei</i> (see also under Lackschewitz, K.)	64
BRUNSFELD, S. J. and F. D. JOHNSON, Noteworthy collections of <i>Salix candida</i> , <i>S. maccalliana</i> , and <i>Eriophorum viridicarinatum</i>	259
CAICCO, S., J. CIVILLE, and D. HENDERSON, Noteworthy collections of <i>Astragalus leptaleus</i> and <i>Penstemon procerus</i> (see also under Brunsfeld, S.)	64
CAIN, D. J., AND H. T. HARVEY, Evidence of salinity-induced ecophenic variation in cordgrass (<i>Spartina foliosa</i> Trin.)	50
CARTER, A. M. Review of Imagenes de la flora Quintanarroense (by O. Télez V.) (see also under Rudd, V. E.)	198
CASTAGNOLI, S., GREG DE NEVERS, and R. D. STONE, Noteworthy collections of <i>Brickellia knappiana</i> and <i>Selinocarpus nevadensis</i>	129
CHOLEWA, A. F. and D. HENDERSON, Noteworthy collections of <i>Lesquerella kingii</i> , <i>Astragalus kentrophyta</i> var. <i>jessiae</i> , and <i>Gilia polycladon</i> (see also under Goodrich, S.)	63
CIVILLE, J. (see Caicco, S.)	
COPE, E. A., Chemosystematic affinities of a California population of <i>Abies lasiocarpa</i>	110
DAVIDSON, C., Review of Genera of the western plants (by W. T. Batson) Review of A flora of Waterton Lakes National Park (by Job Kuijt)	66
DAVIS, C. B., A. G. VAN DER VALK, and J. L. BAKER, The role of four macrophyte species in the removal of nitrogen and phosphorus from nutrient-rich water in a prairie marsh, Iowa	197
DE NEVERS, G. (see Castagnoli, S.)	133
ECKENWALDER, J. E., Review of Atlas of United States trees. Volume 6. Supplement (by E. L. Little, Jr.)	131
ERTTER, B., Notes on <i>Ivesia rhypara</i>	257
EVERT, E. F., A new species of <i>Lomatium</i> (Umbelliferae) from Wyoming	143
EWING, A. L. and J. W. MENKE, Reproductive potential of <i>Bromus mollis</i> and <i>Avena barbata</i> under drought conditions	159
FERREN, W. R., Jr. and S. A. WHITMORE, <i>Suaeda esteroa</i> (Chenopodiaceae) a new species from estuaries of southern California and Baja California	181
FORCELLA, F., Review of Basin and range (by J. McPhee)	198
FREEMAN, C. E., W. H. REID, and J. E. BECVAR, Nectar sugar composition in some species of <i>Agave</i> (Agavaceae)	153
FRYXELL, J. E., A revision of <i>Abutilon</i> sect. <i>Oligocarpae</i> (Malvaceae), including a new species from Mexico	84
GILL, S. J. and J. D. MASTROGUISEPPE, Noteworthy collection of <i>Lomatium tuberosum</i>	259

GILMARTIN, A. J., A male sterile morph in <i>Lycium fremontii</i> (Solanaceae) from Baja California Sur	127
GOODRICH, S., D. HENDERSON, and A. F. CHOLEWA, Noteworthy collections of <i>Astragalus giliviflorus</i> and <i>Hackelia davisii</i>	63
GRAY, J. T., Competition for light and a dynamic boundary between chaparral and coastal sage scrub	43
HARPER, K. T., Review of Flora of the Central Wasatch Front, Utah (by L. Arnott, B. Albee, and A. Wyckoff)	199
HARVEY, H. T. (see Cain, D. J.)	
HARVEY, S. J. (see Forcella, F.)	
HENDERSON, D. (see Goodrich, S.; Cholewa, A. F.; Caicco, S.; Brunsfeld, S.; and Lackschewitz, K.)	
HENRICKSON, J., A new Chihuahuan Desert rose (Rosaceae)	226
JOHNSON, F. D. and D. S. ARDEMA, A disjunct population of <i>Ribes sanguineum</i> (Grossulariaceae) in Idaho	191
JOHNSON, F. D. and S. J. BRUNSFELD, Noteworthy collections of <i>Salix candida</i> and <i>Carex flava</i>	259
(see also under Brunsfeld, S. J.)	
KELLEY, W., Noteworthy collection of <i>Cryptantha mensana</i>	258
KRUCKEBERG, A. R. and J. L. MORRISON, New <i>Streptanthus</i> taxa (Cruciferae) from California	230
LACKSHEWITZ, K., D. HENDERSON, and S. BRUNSFELD, Noteworthy collection of <i>Erigeron radicatus</i>	64
LEE, G. J., Noteworthy collection of <i>Phacelia vallicola</i>	129
LESICA, P., Noteworthy collections of <i>Erigeron flagellaris</i> and <i>Papaver kluanensis</i>	196
MARTENS, S. N. (see Baldwin, B. G.)	
MASTROGUISSEPE, J. D. (see S. J. Gill)	
MEINKE, R. J., <i>Mimulus hymenophyllum</i> (Scrophulariaceae), a new species from the Snake River Canyon area of eastern Oregon	147
MENKE, J. W. (see Ewing, A. L.)	
MORRISON, J. L. (see Kruckeberg, A. R.)	
NAKAI, K. M., Is <i>Dudleya parva</i> (Crassulaceae) truly in San Luis Obispo County?	191
NESOM, G. L., New species of <i>Calochortus</i> (Liliaceae) and <i>Linum</i> (Linaceae) from northern Mexico	250
NESOM, G. L. and W. A. WEBER, A new woolly-headed, monocephalous <i>Erigeron</i> (Asteraceae) from Montana	245
POHL, R. W., Review of The grasses of Baja California, Mexico (by F. W. Gould and R. Moran)	197
PORTER, D. M., Review of William Robinson 1838-1935. Father of the English flower garden (by M. Allen)	261
POWELL, A. M., <i>Perityle</i> (Asteraceae), new species and notes	217
PRAY, T. R. (see Wagner, W. H., Jr.)	
REES, J. D. (see Vovides, A. P.)	
REID, W. H. (see Freeman, C. E.)	
RIGGINS, R., Noteworthy collection of <i>Pedicularis dudleyi</i>	63
RUDD, V. E. and A. M. CARTER, <i>Acacia pacensis</i> (Leguminosae: Mimosoideae), a new species from Baja California Sur, Mexico	176
RUSSELL, E. W. B., Pollen analysis of past vegetation at Point Reyes National Seashore, California	1
SANDERS, A. C. (see Vasek, F. C.)	
SCHOOLCRAFT, G. D., Noteworthy collections of <i>Antennaria flagellaris</i> and <i>Caulanthus major</i>	129
SHEIKH, M. Y., New taxa of western American <i>Eryngium</i> (Umbelliferae)	93
SHEVOCK, J. R. (see Bartel, J. A.)	

SMITH, A. R. (see Wagner, W. H., Jr.)	
STATEMENT of ownership, management, and circulation for 1982	68
STEWART, J. G., <i>Lemanea</i> (Rhodophyta) in mountain streams of southern California	255
STONE, R. D. (see Castagnoli, S.)	
STROTHER, J. L., <i>Pionocarpus</i> becomes <i>Iostephane</i> (Compositae: Heliantheae): a synopsis	34
TAVARES, I., Review of A field guide to mushrooms and their relatives (by C. Booth and H. H. Burdsall, Jr.)	66
TAYLOR, M. S. and L. AHART, Noteworthy collection of <i>Moenchia erecta</i>	129
TODSEN, T. K., A new variety of <i>Perityle stauropylla</i> (Asteraceae) from New Mexico	115
TURNER, B. L. and G. TURNER, A new gypsophilic species of <i>Galium</i> (Rubiaceae) from north-central Mexico	31
VAN DER VALK, A. G. (see Davis, C. B.)	
VASEK, F. C. and A. C. SANDERS, Distribution of <i>Polygala acanthoclada</i>	193
VINYARD, W. C. (see Wharton, R. A., Jr.)	
VOVIDES, A. P. and J. D. REES, <i>Ceratozamia microstrobila</i> (Zamiaceae), a new species from San Luis Potosí, Mexico	39
WAGGONER, J. P. III (see Yeaton, R. I.)	
WAGNER, W. H., Jr., A. R. SMITH, and T. R. PRAY, A cliff brake hybrid, <i>Pellaea bridgesii</i> × <i>mucronata</i> , and its systematic significance	69
WAGNER, W. L., Noteworthy collections of <i>Arenaria stricta</i> , <i>Galium emeryense</i> subsp. <i>emeryense</i> , and <i>Lepidium oblongum</i>	126
WEBER, W. A. (see Nesom, G. L.)	
WELLS, H., Hybridization and genetic recombination of <i>Circium californicum</i> and <i>C. occidentale</i> (Asteraceae: Carduceae)	12
WHITMORE, S. A. (see Ferren, W. R., Jr.)	
WHARTON, R. A., Jr. and W. C. VINYARD, Distribution of snow and ice algae in western North America	201
WOODWARD, R. A. (see Yoder, V.)	
YEATON, R. I., R. W. YEATON, and J. P. WAGGONER III, Changes in morphological characteristics of <i>Pinus engelmannii</i> over an elevational gradient in Durango, Mexico	168
YODER, V., M. G. BARBOUR, R. S. BOYD, and R. A. WOODWARD, Vegetation of the Alabama Hills region, Inyo County, California	118

SUPPLEMENT

BUCKINGHAM, N. M. and E. L. TISCH, Additions to the native vascular flora of the Olympic Peninsula, Washington	S67
HUNTER, K. B. and R. E. JOHNSON, Alpine flora of the Sweetwater Mountains, Mono County, California	S89
JOKERST, J. D., The vascular plant flora of Table Mountain, Butte County, California	S1
PALMER, R., B. L. CORBIN, R. WOODWARD, and M. BARBOUR, Floristic checklist for the Headwaters Basin area of the North Fork of the American River, Placer County, California	S52
SCHAAK, C. G., The alpine vascular flora of Arizona	S79
SCHLISING, R. A. and E. L. SANDERS, Vascular plants of Richvale Vernal Pools, Butte County, California	S19
SWEARINGEN, T. A., The vascular flora of the Muddy Mountains, Clark County, Nevada	S31

